

What is claimed is:

5. A method as in claim 2, wherein the step of transmitting uses a message sent on a Packet Associated Control Channel (PACCH).

13. A method as in claim 1, wherein the determined parameter is used to modify a forgetting factor that is received in a broadcast message from the wireless network,

the forgetting factor influencing a length of a filter that operates on link quality measurement data.

14. A method as in claim 1, wherein the determined parameter is used to replace a forgetting factor that is received in a broadcast message from the wireless network, the forgetting factor influencing a length of a filter that operates on link quality measurement data.

*suba*  
15. A method as in claim 1, wherein the step of calculating takes into account a derivative of a speed of the ME.

16. A method as in claim 1, wherein the step of calculating operates on a plurality of measurements of one of a mean Bit Error Probability (BEP) or a coefficient of variation of a Bit Error Probability (cv) (BEP).

17. A wireless communications system comprised of a wireless network and at least one mobile equipment (ME) located in a serving cell of said wireless network, further comprising a unit in said wireless network for deriving an indication of a speed of said ME within the serving cell; a transmitter in said wireless network for transmitting the indication of the ME speed to the ME; a receiver in said ME for receiving said transmitted speed indication; and a processor in said ME for implementing a filter for filtering a sequence of link quality measurement data, said filter having a filter length that is a function of a parameter having a value that is a function of said received transmitted speed indication; and a transmitter in said ME for transmitting an indication of said filtered link quality measurement data to a receiver of said wireless network.

18. A wireless communications system as in claim 17,

19. A wireless communications system as in claim 17, wherein said transmitter in said wireless network transmits the indication of the ME speed by using a plurality of bits placed into padding bits of a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control Channel (PACCH).

determining in the wireless network an indication of a signal quality experienced by individual ones of the plurality of ME;

in a particular one of the plurality of ME, receiving the transmitted indication;

transmitting a result of the filtering operation to the wireless network.